WHAT IS CLAIMED IS:

1. A method comprising:

incorporating a multi-port switch into a multi-node computer system; and

assigning at least a first port of the multi-port switch to a first domain of the nodes.

2. The method of claim 1 further comprising:

delivering transactions that are received by the multi-port switch and are identified as associated with the first domain, to the at least a first or more ports assigned to the first domain.

3. The method of claim 1 further comprising:

connecting nodes associated with the first domain to the at least a first port assigned to the first domain.

4. The method of claim 1 further comprising:

assigning at least a second port of the multi-port switch to a second domain.

5. The method of claim 4 further comprising:

delivering transactions, which are received by the multi-port switch and are identified as associated with the second domain, to the at least a second or more ports assigned to the second domain.

6. The method of claim 4 further comprising:

connecting nodes associated with the second domain to ports assigned to that second domain.

7. The method of claim 1 further comprising:

assigning at least a third port of the multi-port switch to a third domain; and

connecting nodes associated with the third domain to ports assigned to that third domain.

8. The method of claim 7 further comprising:

delivering transactions, which are received by the multi-port switch and specify the third domain, to the at least a third or more ports assigned to the third domain.

9. The method of claim 2 further comprising:

monitoring broadcast transactions generated for the first domain; and

transmitting these broadcast transactions to only the at least a first or more ports assigned to the first domain.

10. The method of claim 3 further comprising:

maintaining the coherency of the cache memory for the first domain.

11. The method of claim 10 wherein said maintaining the coherency includes:

monitoring the caching of system memory by the nodes associated with the first domain; and

informing the nodes requiring a cache update that the content of the system memory they have cached has changed.

12. A domain partitioning process for creating multiple domains comprising:

a multi-port switch containing ports; and

a first domain port assignment process for assigning at least a first port of said multi-port switch to a first domain.

13. The domain partitioning process of claim 12 further comprising:

a first domain transaction routing process for routing transactions, which are received by said multi-port switch and specify the first domain, to one or more ports assigned to the first domain.

14. The domain partitioning process of claim 12 further comprising:

a second domain port assignment process for assigning at least a second port of said multi-port switch to a second domain.

15. The domain partitioning process of claim 14 further comprising:

a second domain transaction routing process for routing transactions, which are received by the multi-port switch and specify the second domain, to one or more ports assigned to the second domain.

16. The domain partitioning process of claim 14 further comprising:

a third domain port assignment process for assigning at least a third port of the multi-port switch to a third domain.

17. The domain partitioning process of claim 16 further comprising:

a third domain transaction routing process for routing transactions, which are received by the multi-port switch and specify the third domain, to one or more ports assigned to the third domain.

18. The domain partitioning process of claim 13 further comprising:

a broadcast partitioning process for monitoring broadcast transactions generated for the first domain and transmitting these broadcast transactions to only the one or more ports assigned to the first domain.

19. The domain partitioning process of claim 13 further comprising:

a domain cache coherency process for monitoring the caching of system memory by the nodes associated with the first domain, and informing the nodes requiring a cache update that the content of the system memory they have cached has changed.

20. A domain partitioning process for creating multiple domains in a multi-node computer system comprising:

a multi-port switch containing a plurality of ports; and

a port assignment process for assigning at least one port of said multi-port switch to one of a plurality of domains.

21. The domain partitioning process of claim 20 further comprising:

a transaction routing process for routing domain-specific transactions received by said multi-port switch to one or more ports assigned to the specified domain.

22. A computer program product residing on a computer readable medium having a plurality of instructions stored thereon which, when executed by the processor, cause that processor to:

assign at least a first port of a multi-port switch to a first domain; and

route transactions, which are received by the multi-port switch and specify the first domain, to one or more ports assigned to the first domain.

23. The computer program product of claim 22 wherein said computer readable medium is a read-only memory.

24. The computer program product of claim 22 wherein said computer readable medium is a hard disk drive.

25. A processor and memory configured to:

assign at least a first port of a multi-port switch to a first domain; and

route transactions, which are received by the multi-port switch and specify the first domain, to one or more ports assigned to the first domain.

26. The processor and memory of claim 25 wherein said processor and memory are incorporated into a network server.

27. The processor and memory of claim 25 wherein said processor and memory are incorporated into a workstation.

28. A domain partitioning system comprising:

a multi-port switch containing a plurality of ports;

a IO hub controller connected to one of said ports;

a scalable node controller connected to one of said ports;

at least one microprocessor connected to said scalable node controller;

a first domain port assignment process for assigning at least a first port of said multi-port switch to a first domain; and

a first domain transaction routing process for routing transactions, which are received by said multi-port switch and specify the first domain, to one or more ports assigned to the first domain.

29. The domain partitioning system of claim 28 further comprising:

a second domain port assignment process for assigning at least a second port of said multi-port switch to a second domain.

30. The domain partitioning system of claim 29 further comprising:

a second domain transaction routing process for routing transactions, which are received by said multi-port switch and specify the second domain, to one or more ports assigned to the second domain.